



**Supplementary Figure 2. CD4<sup>+</sup> T cell clones isolated with DRB1\*0401/MOG<sub>97-109(107E-S)</sub> tetramer responded to substituted and native MOG peptide.** T cell clones were assayed for reactivity to MOG<sub>97-108</sub> (native), MOG<sub>97-108(107E-S)</sub> peptides, and GAD65<sub>555-567(557F-I)</sub> peptide as an irrelevant peptide. Priess cells (DRB1\*0401<sup>+/+</sup>) used as APC were loaded with a range of peptide concentrations (0.1 to 50 μM).